

Application Serial No. 10/588,171
Reply to Office Action of July 9, 2008

OCT 08 2008 PATENT
Docket: CU-4989

Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

1. (Currently amended) A percutaneous lead assembly configured to supply electrical signals to a medical device implanted within a body of a patient, said lead assembly comprising:

a flexible elongate member having a first portion adapted to remain external to the body of the patient, ~~said first portion having a first diameter;~~ and a second portion joined to the first portion and adapted to extend through a hole in a skin layer of the body of the patient[[.]]:

a first connector on an end of the first portion; and

a second connector on an end of the second portion,

wherein the first and second connectors are releasably mutually connectable
and configured for mutual connection wholly externally of the patient body and the
said second portion has a second diameter which is substantially than the said first
diameter.

2. (Previously presented) The percutaneous lead assembly as claimed in claim 1, wherein said first portion includes a shielding layer.

3. (Previously presented) The percutaneous lead assembly as claimed in claim 1 or claim 2, wherein at least a segment of said second portion is covered with a textured surface.

4. (Cancelled)

5. (Previously presented) The percutaneous lead assembly as claimed in claim 1, wherein said percutaneous lead assembly includes a lead restraint.

6. (Cancelled)

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7. (Previously presented) A percutaneous lead assembly configured to supply electrical signals to a medical device implanted within a body of a patient, said lead assembly comprising:

a flexible elongate member including a first unshielded portion configured to extend through a hole in a skin layer of the body of the patient; and

a second shielded portion which is configured to be joined to said first unshielded portion at a site external to the body of the patient.

8. (New) The percutaneous lead assembly of claim 7 comprising a first connector on an end of the first portion and a second connector on an end of the second portion, wherein the first and second connectors are releasably mutually connectable and configured for mutual connection wholly externally of the patient body.

9. (New) The percutaneous lead assembly of claim 7 wherein the second portion has a second diameter which is smaller than the first diameter.

10. (New) The percutaneous lead assembly of claim 7 wherein the second portion has a second diameter which is substantially smaller than the first diameter.

11. (New) The percutaneous lead assembly of claim 1 wherein the second portion has a second diameter which is smaller than the first diameter.

12. (New) The percutaneous lead assembly of claim 1 wherein the second portion has a second diameter which is substantially smaller than the first diameter.